

Claims

I claim:

- 1 1. An apparatus for controlling devices connected to a wired network comprising:
2 a base set, connected to the wired network, including a first part of a UPnP
3 stack; and
4 a control set, connected to the base set by a communications link, including
5 a second part of the UPnP stack and a graphical user interface.
- 1 2. The apparatus of claim 1 wherein the communications link is wireless.
- 1 3. The apparatus of claim 2 wherein the wireless link is established using a
2 wireless technology including Bluetooth, Home RF, IEEE802.11a, or
3 IEEE802.11b.
- 1 4. The apparatus of claim 1 wherein the wireless control set includes a graphical
2 user interface.
- 1 5. The apparatus of claim 4 wherein the graphical user interface is a browser.
- 1 6. The apparatus of claim 1 wherein the wireless control set is battery powered.
- 1 7. The apparatus of claim 1 wherein the base set is powered by an AC power
2 supply.

1 8. The apparatus of claim 2 wherein the network includes multiple instances of the
2 base set and the control set communicates with a base set over a wireless link
3 having a highest signal strength.

1 9. The apparatus of claim 1 wherein the first part of the UPnP stack includes
2 addressing, discovery, description, eventing and control layers of the UPnP stack,
3 and the base set further comprises:
4 a wrapper application layer;
5 a base set IP layer;
6 a control set PPP layer; and
7 a base set wireless stack.

1 10. The apparatus of claim 1 wherein the second part of the UPnP stack includes a
2 presentation layer of the UPnP stack, and the control set further comprises:
3 an HTTP layer;
4 TCP/UDP layers;
5 a control set IP layer;
6 a control set PPP layer; and
7 a control set wireless stack.

1 11. A method for controlling devices connected to a wired network of UPnP
2 devices comprising:
3 performing steps of discovery, description, eventing and control layers of a
4 UPnP stack in a base set connected to the network by a wired communications
5 link, the discovery, description, eventing and control layers forming a first part of a
6 UPnP stack of a UPnP control point; and

- 7 performing steps of a presentation layer in a wireless control set connected
- 8 to the base set via wireless communications link, the presentation layer forming a
- 9 second part of the UPnP stack of the UPnP control point.